

OPTICAL FIBER ARRAY AND MANUFACTURE OF DIE

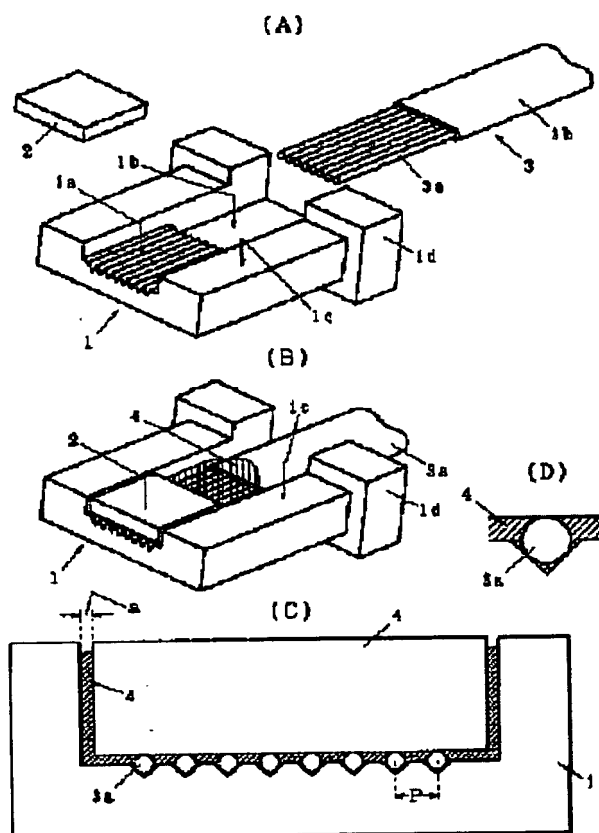
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Abstract of JP11174274

PROBLEM TO BE SOLVED: To provide the optical fiber array of excellent temperature characteristics and high density.

SOLUTION: At a ferrule 1, a V groove part 1a is formed at a front part, a coated part mounting part 1b is formed at a rear part, beam-like parts 1c are provided on both sides and a flange part 1d is provided on the rear part. The ferrule 1 is formed by the molding of synthetic resin whose linear expansion coefficient is smaller than the one of glass. In the state of arranging an optical fiber 3a at the V groove part 1a and adding pressurizing force by a pressing lid 2, an adhesive material 4 is poured to the gap of the ferrule 1 and the pressing lid 2 and the optical fiber 3a and a coating 3b at the rear part of the V groove part 1a and they are integrally fixed.



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